

```
?show files;ds
File 2:INSPEC 1969-2001/Nov W3
(c) 2001 Institution of Electrical Engineers
File 5:Biosis Previews(R) 1969-2001/Nov W3
(c) 2001 BIOSIS
File 6:NTIS 1964-2001/Dec W1
(c) 2001 NTIS, Intl Cpyrght All Rights Res
File 8:Ei Compendex(R) 1970-2001/Nov W3
(c) 2001 Engineering Info. Inc.
File 9:Business & Industry(R) Jul/1994-2001/Nov 20
(c) 2001 Resp. DB Svcs.
File 10:AGRICOLA 70-2001/Nov
(c) format only 2001 The Dialog Corporation
File 13:BAMP 2001/Nov W2
(c) 2001 Resp. DB Svcs.
File 14:Mechanical Engineering Abs 1973-2001/Nov
(c) 2001 Cambridge Sci Abs
File 15:ABI/Inform(R) 1971-2001/Nov 20
(c) 2001 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2001/Nov 20
(c) 2001 The Gale Group
File 20:World Reporter 1997-2001/Nov 21
(c) 2001 The Dialog Corporation
File 34:SciSearch(R) Cited Ref Sci 1990-2001/Nov W4
(c) 2001 Inst for Sci Info
File 51:Food Sci.&Tech.Abs 1969-2001/Jan W3
(c) 2001 FSTA IFIS Publishing
File 63:Transport Res(TRIS) 1970-2001/Oct
(c) fmt only 2001 Dialog Corp.
File 65:Inside Conferences 1993-2001/Nov W3
(c) 2001 BLDSC all rts. reserv.
File 75:TGG Management Contents(R) 86-2001/Nov W2
(c) 2001 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2001/Nov 21
(c) 2001 The Gale Group
File 94:JICST-EPlus 1985-2001/Oct W2
(c)2001 Japan Science and Tech Corp(JST)
File 103:Energy SciTec 1974-2001/Sep B2
(c) 2001 Contains copyrighted material
File 108:AEROSPACE DATABASE 1962-2001/NOV
(c) 2001 AIAA
File 112:UBM Industry News 1998-2001/Nov 21
(c) 2001 United Business Media
File 144:Pascal 1973-2001/Nov W3
(c) 2001 INIST/CNRS
File 148:Gale Group Trade & Industry DB 1976-2001/Nov 20
(c)2001 The Gale Group
File 190:Bibl. History of Art 1991-2001/Q4
(c) 2001 JP Getty Trust & INIST/CNRS
File 234:Marquis Who`s Who(r) 2001/Mar
(c) 2001 Reed Elsevier Inc. All Rts Res
File 239:Mathsci 1940-2001/Dec
(c) 2001 American Mathematical Society
File 275:Gale Group Computer DB(TM) 1983-2001/Nov 19
(c) 2001 The Gale Group
File 420:UnCover 1988-2001/May 31
(c) 2001 The UnCover Company
File 422:REMARC 1900-39 1986/Jul
(c) 1986 ISM Library Information Services Ltd
File 426:LCMARC-Books 1968-2001/Nov W3
(c) format only 2001 Dialog Corporation
File 440:Current Contents Search(R) 1990-2001/Dec W1
(c) 2001 Inst for Sci Info
```

File 481:DELPHES Eur Bus 95-2001/Nov W2
 (c) 2001 ACFCI & Chambre CommInd Paris
 File 484:Periodical Abs Plustext 1986-2001/Nov W2
 (c) 2001 ProQuest
 File 497:(Ft.Lauderdale)Sun-Sentinel 1988-2001/Nov 20
 (c) 2001 Sun-Sentinel Co
 File 518:D&B-Int.Dun`s Market Identifiers(R) 2001/Sep
 (c) 2001 Dun & Bradstreet
 File 522:D&B-Who Owns Whom 2001/Sep
 (c) 2000 Dun & Bradstreet
 File 523:D & B-European Financial Records 2001/Oct
 (Copr. 2001 D&B)
 File 553:Wilson Bus. Abs. FullText 1982-2001/Sep
 (c) 2001 The HW Wilson Co
 File 583:Gale Group Globalbase(TM) 1986-2001/Nov 20
 (c) 2001 The Gale Group
 File 619:Asia Intelligence Wire 1995-2001/Nov 20
 (c) 2001 Fin. Times Ltd
 File 620:EIU:Viewswire 2001/Nov 19
 (c) 2001 Economist Intelligence Unit
 File 636:Gale Group Newsletter DB(TM) 1987-2001/Nov 20
 (c) 2001 The Gale Group
 File 654:US PAT.FULL. 1990-2001/NOV 19
 (c) format only 2001 The Dialog Corp.

Set	Items	Description
S1	130	PRAXITELE
S2	15	S1 NOT PY>1994
S3	15	RD (unique items)

?t3/3,k/all

>>>KWIC option is not available in file(s): 14, 422

3/3,K/1 (Item 1 from file: 65)
 DIALOG(R)File 65:Inside Conferences
 (c) 2001 BLDSC all rts. reserv. All rts. reserv.

00160084 INSIDE CONFERENCE ITEM ID: CN001607753
 PRAXITELE: Pour un Transport Public PRATique Individuel ELEctrique
 Laramee, M.; Benejam-Francois, E.
 CONFERENCE: Realites et perspectives du vehicule electrique-Journee
 P: 32-39
 The Comite, 1993
 LANGUAGE: French DOCUMENT TYPE: Conference Papers
 CONFERENCE SPONSOR: Comite Francais de l'Electricite
 CONFERENCE LOCATION: La Rochelle, France
 CONFERENCE DATE: Nov 1993 (199311) (199311)

PRAXITELE: Pour un Transport Public PRATique Individuel ELEctrique

3/3,K/2 (Item 1 from file: 190)
 DIALOG(R)File 190:Bibl. History of Art
 (c) 2001 JP Getty Trust & INIST/CNRS. All rts. reserv.

10155564 BHA No.:7 11723 (1997)
 The venus pudica : uncovering art history's "hidden agendas" and pernicious
 pedigrees
 SALOMON, Nanette
 IN: Generations & geographies in the visual arts : feminist readings
 COLLECTION EDITOR: POLLOCK, Griselda, ed.
 : London, New York, Routledge, 1996 p. 69-87 10 ill.

B
Search Report from Ginger D. Roberts

?show files;ds

File 2:INSPEC 1969-2001/Nov W3
(c) 2001 Institution of Electrical Engineers

File 6:NTIS 1964-2001/Dec W1
(c) 2001 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2001/Nov W3
(c) 2001 Engineering Info. Inc.

File 9:Business & Industry(R) Jul/1994-2001/Nov 20
(c) 2001 Resp. DB Svcs.

File 13:BAMP 2001/Nov W2
(c) 2001 Resp. DB Svcs.

File 15:ABI/Inform(R) 1971-2001/Nov 20
(c) 2001 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2001/Nov 20
(c) 2001 The Gale Group

File 18:Gale Group F&S Index(R) 1988-2001/Nov 20
(c) 2001 The Gale Group

File 20:World Reporter 1997-2001/Nov 21
(c) 2001 The Dialog Corporation

File 30:AsiaPacific 1985-2001/Oct 12
(c) 2001 Aristarchus Knowledge Indus.

File 32:METADEX(R) 1966-2001/Jan B2
(c) 2001 Cambridge Scientific Abs

File 34:SciSearch(R) Cited Ref Sci 1990-2001/Nov W4
(c) 2001 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2001/Nov
(c) 2001 ProQuest Info&Learning

File 40:Enviroline(R) 1975-2001/Nov

File 47:Gale Group Magazine DB(TM) 1959-2001/Nov 20
(c) 2001 The Gale group

File 63:Transport Res(TRIS) 1970-2001/Oct
(c) fmt only 2001 Dialog Corp.

File 68:Env.Bib. 1974-2001/Oct
(c) 2001 Internl Academy at Santa Barbara

File 75:TGG Management Contents(R) 86-2001/Nov W2
(c) 2001 The Gale Group

File 80:TGG Aerospace/Def.Mkts(R) 1986-2001/Nov 20
(c) 2001 The Gale Group

File 88:Gale Group Business A.R.T.S. 1976-2001/Nov 21
(c) 2001 The Gale Group

File 93:TableBase(R) Sep 1997-2001/Nov W2
(c) 2001 Resp. DB Svcs.

File 101:Disclosure Database(R) 2001/Nov W3
(c) 2001 Thomson Financial

File 108:AEROSPACE DATABASE 1962-2001/NOV
(c) 2001 AIAA

File 148:Gale Group Trade & Industry DB 1976-2001/Nov 20
(c)2001 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 241:Elec. Power DB 1972-1999Jan
(c) 1999 Electric Power Research Inst.Inc

File 262:CBCA Fulltext 1982-2001/Oct
(c) 2001 Micromedia Ltd.

File 275:Gale Group Computer DB(TM) 1983-2001/Nov 19
(c) 2001 The Gale Group

File 348:EUROPEAN PATENTS 1978-2001/NOV W02
(c) 2001 European Patent Office

File 349:PCT FULLTEXT 1983-2001/UB=20011115,UT=20011108
(c) 2001 WIPO/Univentio

File 440:Current Contents Search(R) 1990-2001/Dec W1
(c) 2001 Inst for Sci Info

File 470:Books in Print(R) 2001/Nov

Search Report from Ginger D. Roberts

(c) 2001 R.R.Bowker, Reed Elsevier Inc.
 File 476: Financial Times Fulltext 2001/Nov 20
 (c) 2001 Financial Times Ltd.
 File 587: Jane's Defense & Aerospace 2001/Nov W2
 (c) 2001 JANE'S INFORMATION GROUP
 File 589: FI Defense Market Intelligence 2001/Nov 07
 (c) 2001 Forecast Intl/DMS
 File 608: KR/T Bus. News. 1992-2001/Nov 20
 (c) 2001 Knight Ridder/Tribune Bus News
 File 609: Bridge World Markets 2000-2001/Oct 01
 (c) 2001 Bridge
 File 610: Business Wire 1999-2001/Nov 21
 (c) 2001 Business Wire.
 File 613: PR Newswire 1999-2001/Nov 21
 (c) 2001 PR Newswire Association Inc
 File 616: Canada NewsWire 1999-2001/Mar 09
 (c) 2001 Canada NewsWire
 File 621: Gale Group New Prod. Annou. (R) 1985-2001/Nov 20
 (c) 2001 The Gale Group
 File 623: Business Week 1985-2001/Nov 21
 (c) 2001 The McGraw-Hill Companies Inc
 File 635: Business Dateline (R) 1985-2001/Nov 20
 (c) 2001 ProQuest Info & Learning
 File 810: Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire

Set	Items	Description
S1	678	(MANAG? OR CONTROL?) (10N) FLEET? ? (10N) (ELECTRIC?) (3N) (VEHICLE? ? OR CAR OR CARS OR AUTOMOBILE? ? OR TRUCK? ? OR MOBILE? ?) (10N) (SOFTWARE OR SYSTEM? ? OR AUTOMAT? OR ONLINE OR GUI OR ON() LINE OR COMPUTER?)
S2	204	S1 NOT PY>1994
S3	166	RD (unique items)

?t3/3,k/all
 >>>KWIC option is not available in file(s): 32, 241

3/3,K/1 (Item 1 from file: 2)
 DIALOG(R) File 2: INSPEC
 (c) 2001 Institution of Electrical Engineers. All rts. reserv.

04395011 INSPEC Abstract Number: B9306-8520-008
Title: Building the substructure for the implementation of new electric vehicle technology
 Author(s): Duffy, E.F.
 Author Affiliation: York Tech. Coll., Rock Hill, SC, USA
 Conference Title: Southcon /92. Conference Record p.5-7
 Publisher: Electron. Conventions Manage, Los Angeles, CA, USA
 Publication Date: 1992 Country of Publication: USA xii+436 pp.
 Conference Sponsor: IEEE; ERA
 Conference Date: 10-12 March 1992 Conference Location: Orlando, FL, USA
 Language: English
 Subfile: B

...Abstract: 1989, the York Technical College first became interested in participating in the Department of Energy Electric Vehicle Program, and developed its own program by acquiring and integrating electric vehicles from several sources into its own fleet. Today the College operates a diverse fleet of 18 electric vehicles. During the program's two years of existence, the College refined the charging station data management systems for the Department of Energy, analyzed five nickel-iron battery powered vehicles, provided reports to the Department of Energy, and took responsibility for the Detroit Edison Griffon Fleet. The author discusses

```
?show files;ds
File 15:ABI/Inform(R) 1971-2001/Nov 20
(c) 2001 ProQuest Info&Learning
File 88:Gale Group Business A.R.T.S. 1976-2001/Nov 20
(c) 2001 The Gale Group
File 9:Business & Industry(R) Jul/1994-2001/Nov 19
(c) 2001 Resp. DB Svcs.
File 13:BAMP 2001/Nov W2
(c) 2001 Resp. DB Svcs.
File 623:Business Week 1985-2001/Nov 20
(c) 2001 The McGraw-Hill Companies Inc
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 610:Business Wire 1999-2001/Nov 20
(c) 2001 Business Wire.
File 647:CMP Computer Fulltext 1988-2001/Nov W3
(c) 2001 CMP Media, LLC
File 275:Gale Group Computer DB(TM) 1983-2001/Nov 16
(c) 2001 The Gale Group
File 674:Computer News Fulltext 1989-2001/Nov W2
(c) 2001 IDG Communications
File 98:General Sci Abs/Full-Text 1984-2001/Oct
(c) 2001 The HW Wilson Co.
File 47:Gale Group Magazine DB(TM) 1959-2001/Nov 19
(c) 2001 The Gale group
File 75:TGG Management Contents(R) 86-2001/Nov W2
(c) 2001 The Gale Group
File 239:Mathsci 1940-2001/Dec
(c) 2001 American Mathematical Society
File 624:McGraw-Hill Publications 1985-2001/Nov 20
(c) 2001 McGraw-Hill Co. Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2001/Nov 19
(c) 2001 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2001/Nov 19
(c) 2001 The Gale Group
File 211:Gale Group Newsearch(TM) 2001/Nov 19
(c) 2001 The Gale Group
File 484:Periodical Abs Plustext 1986-2001/Nov W2
(c) 2001 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2001/Nov 20
(c) 2001 PR Newswire Association Inc
File 16:Gale Group PROMT(R) 1990-2001/Nov 19
(c) 2001 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 141:Readers Guide 1983-2001/Sep
(c) 2001 The HW Wilson Co
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
File 696:DIALOG Telecom. Newsletters 1995-2001/Nov 19
(c) 2001 The Dialog Corp.
File 148:Gale Group Trade & Industry DB 1976-2001/Nov 19
(c)2001 The Gale Group
File 553:Wilson Bus. Abs. FullText 1982-2001/Sep
(c) 2001 The HW Wilson Co
File 278:Microcomputer Software Guide 2001/Oct
(c) 2001 Reed Elsevier Inc.
File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Oct
(c)2001 Info.Sources Inc
```

Set	Items	Description
-----	-------	-------------

Search Report from Ginger D. Roberts

S1 117755 ELECTRIC?(5N) (VEHICLE? ? OR CAR OR CARS OR BIKE? ? OR AUTO-
MOBILE? ? OR AUTOS OR TRUCK? ?) OR PEV OR PEVS OR EV OR EVS
S2 3497 (ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION?
OR ALLOT? OR APPROPRIATE OR RESERV? OR EARMARK? OR EAR()MARK-
?) (6N)S1
S3 14099723 ELECTRIC?(4N)CHARGE OR ENERGY OR ELECTRICITY OR STATE(2W)C-
HARGE OR SOC OR FULL OR CHARGE(2N)LEVEL? ? OR CURRENT OR POWER
S4 5907475 DISTANCE OR MILEAGE? OR MILE OR MILES OR RANGE OR MAKE(2W) -
TRIP OR HOW()FAR
S5 963 S2 AND S3 AND S4
S6 789927 (ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION?
OR ALLOT? OR APPROPRIAT? OR RESERV? OR EARMARK? OR EAR()MARK-
?) (6N) (USER? ? OR INDIVIDUAL? ? OR PERSON? ? OR PEOPLE OR REN-
TER? ? OR LEASEE? ? OR CUSTOMER? ? OR CONSUMER? ?)
S7 1647 S1 AND S3 AND S4 AND S6
S8 435 S7 NOT PY>1994
S9 287 RD (unique items)
S10 241 S5 NOT PY>1994
S11 164 RD (unique items)
S12 106 S11 NOT EV
S13 156 S10 NOT EV
S14 156 S12 OR S13
S15 106 RD (unique items)
?

D
Search Report from Ginger D. Roberts

?show files;ds

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200167
(c) 2001 Derwent Info Ltd

File 344:CHINESE PATENTS ABS APR 1985-2001/Oct
(c) 2001 EUROPEAN PATENT OFFICE

File 347:JAPIO OCT 1976-2001/JUL(UPDATED 011105)
(c) 2001 JPO & JAPIO

File 371:French Patents 1961-2001/BOPI 200146
(c) 2001 INPI. All rts. reserv.

Set	Items	Description
S1	61093	ELECTRIC?(5N) (VEHICLE? ? OR CAR OR CARS OR BIKE? ? OR AUTO-MOBILE? ? OR AUTOS OR TRUCK? ?) OR PEV OR PEVS OR EV OR EVS
S2	336	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION? OR ALLOT? OR APPROPRIATE OR RESERV? OR EARMARK? OR EAR()MARK-?) (6N)S1
S3	2576968	ELECTRIC?(4N)CHARGE OR ENERGY OR ELECTRICITY OR STATE(2W)C-HARGE OR SOC OR FULL OR CHARGE(2N)LEVEL? ? OR CURRENT OR POWER
S4	1048218	DISTANCE OR MILEAGE? OR MILE OR MILES OR RANGE OR MAKE(2W)-TRIP OR HOW()FAR
S5	15	S1 AND S2 AND S3 AND S4
S6	15	S2 AND S3 AND S4
S7	15	S5:S6
S8	4	IC=B60L AND S2 AND S3 AND S4
S9	15	S7 OR S8
S10	2002	IC=B60L AND S3 AND S4
S11	3684	(S1 OR IC=B60L) AND S3 AND S4
S12	33	S11 AND IC=G06F
S13	31	S12 NOT S9
?		

E

Search Report from Ginger D. Roberts

```
?show files;ds
File 108:AEROSPACE DATABASE 1962-2001/OCT
      (c) 2001 AIAA
File   8: Ei Compendex(R) 1970-2001/Nov W3
      (c) 2001 Engineering Info. Inc.
File  77: Conference Papers Index 1973-2001/Nov
      (c) 2001 Cambridge Sci Abs
File 238: Abs. in New Tech & Eng. 1981-2001/Oct
      (c) 2001 Reed-Elsevier (UK) Ltd.
File  35: Dissertation Abs Online 1861-2001/Nov
      (c) 2001 ProQuest Info&Learning
File 103: Energy SciTec 1974-2001/Sep B2
      (c) 2001 Contains copyrighted material
File 111: TGG Natl. Newspaper Index(SM) 1979-2001/Nov 16
      (c) 2001 The Gale Group
File 202: Information Science Abs. 1966-2001/ISSUE 08
      (c) Information Today, Inc
File  65: Inside Conferences 1993-2001/Nov W3
      (c) 2001 BLDSC all rts. reserv.
File   2: INSPEC 1969-2001/Nov W3
      (c) 2001 Institution of Electrical Engineers
File  14: Mechanical Engineering Abs 1973-2001/Nov
      (c) 2001 Cambridge Sci Abs
File  94: JICST-EPlus 1985-2001/Oct W2
      (c) 2001 Japan Science and Tech Corp(JST)
File 438: Library Literature 1984-2001/Sep
      (c) 2001 The HW Wilson Co
File  61: LISA(LIBRARY&INFOSCI) 1969-2001/Nov
      (c) 2001 Reed Reference Publishing
File 233: Internet & Personal Comp. Abs. 1981-2001/Nov
      (c) 2001 Info. Today Inc.
File   6: NTIS 1964-2001/Dec W1
      (c) 2001 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2001/Nov W3
      (c) 2001 INIST/CNRS
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
      (c) 1998 Inst for Sci Info
File  34: SciSearch(R) Cited Ref Sci 1990-2001/Nov W4
      (c) 2001 Inst for Sci Info
File  62: SPIN(R) 1975-2001/Nov W1
      (c) 2001 American Institute of Physics
File  99: Wilson Appl. Sci & Tech Abs 1983-2001/Sep
      (c) 2001 The HW Wilson Co.
```

Set	Items	Description
S1	393330	ELECTRIC?(5N) (VEHICLE? ? OR CAR OR CARS OR BIKE? ? OR AUTOMOBILE? ? OR AUTOS OR TRUCK? ?) OR PEV OR PEVS OR EV OR EVS
S2	7891	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION? OR ALLOT? OR APPROPRIATE OR RESERV? OR EARMARK? OR EAR()MARK-?) (6N) S1
S3	10520466	ELECTRIC?(4N) CHARGE OR ENERGY OR ELECTRICITY OR STATE(2W) CHARGE OR SOC OR FULL OR CHARGE(2N) LEVEL? ? OR CURRENT OR POWER
S4	3907684	DISTANCE OR MILEAGE? OR MILE OR MILES OR RANGE OR MAKE(2W) - TRIP OR HOW() FAR
S5	2184	S2 AND S3 AND S4
S6	71153	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION? OR ALLOT? OR APPROPRIAT? OR RESERV? OR EARMARK? OR EAR()MARK-?) (6N) (USER? ? OR INDIVIDUAL? ? OR PERSON? ? OR PEOPLE OR RENTER? ? OR LEASEE? ? OR CUSTOMER? ? OR CONSUMER? ?)
S7	73	S1 AND S3 AND S4 AND S6
S8	40	S7 NOT PY>1994
S9	32	RD (unique items)
S10	1482	S5 NOT PY>1994

Search Report from Ginger D. Roberts

S11 1069 RD (unique items)
S12 35 S11 NOT EV
S13 67 S9 OR S12
S14 39 S13 NOT EV
S15 39 RD (unique items)
?t15/7/all

15/7/1 (Item 1 from file: 108)
DIALOG(R) File 108:AEROSPACE DATABASE
(c) 2001 AIAA. All rts. reserv.

01305451 N81-12944

Vehicle systems design optimization study

Final Report

GILMOUR, J. L.

Pioneer Engineering and Mfg. Co., Inc., Warren, MI.

CORPORATE CODE: PS994451

Apr. 1980 182P.

PUBLICATION NOTE: Sponsored by NASA Prepared for JPL

REPORT NO.: NASA-CR-163797; DOE/JPL-955498-1; JPL-9950-404

CONTRACT NO.: JPL-955498

LANGUAGE: English

COUNTRY OF ORIGIN: United States COUNTRY OF PUBLICATION: United States

DOCUMENT TYPE: REPORT

DOCUMENTS AVAILABLE FROM AIAA Technical Library

OTHER AVAILABILITY: NTIS HC A09/MF A01

JOURNAL ANNOUNCEMENT: STAR8103

The optimum vehicle configuration and component locations are determined for an electric drive vehicle based on using the basic structure of a current production subcompact vehicle. The optimization of an electric vehicle layout requires a weight distribution in the range of 53/47 to 62/38 in order to assure dynamic handling characteristics comparable to current internal combustion engine vehicles. Necessary modification of the base vehicle can be accomplished without major modification of the structure or running gear. As long as batteries are as heavy and require as much space as they currently do, they must be divided into two packages, one at front under the hood and a second at the rear under the cargo area, in order to achieve the desired weight distribution. The weight distribution criteria requires the placement of batteries at the front of the vehicle even when the central tunnel is used for the location of some batteries. The optimum layout has a front motor and front wheel drive. This configuration provides the optimum vehicle dynamic handling characteristics and the maximum passenger and cargo space for a given size vehicle (M.G.)

SOURCE OF ABSTRACT/SUBFILE: NASA CASI

15/7/2 (Item 2 from file: 108)
DIALOG(R) File 108:AEROSPACE DATABASE
(c) 2001 AIAA. All rts. reserv.

01305450 N81-12943

Aerodynamic design of electric and hybrid vehicles: A guidebook

KURTZ, D. W.

Jet Propulsion Lab., California Inst. of Tech., Pasadena.

CORPORATE CODE: JJ574450

Sep. 1980 92P.

REPORT NO.: NASA-CR-163744; JPL-PUB-80-69

CONTRACT NO.: NAS7-100; DE-AI01-78CS-54209

LANGUAGE: English

COUNTRY OF ORIGIN: United States COUNTRY OF PUBLICATION: United States

DOCUMENT TYPE: REPORT

DOCUMENTS AVAILABLE FROM AIAA Technical Library

OTHER AVAILABILITY: NTIS HC A05/MF A01

F

Search Report from Ginger D. Roberts

?show files;ds

File 348:EUROPEAN PATENTS 1978-2001/NOV W02

(c) 2001 European Patent Office

File 349:PCT FULLTEXT 1983-2001/UB=20011115,UT=20011108

(c) 2001 WIPO/Univentio

Set	Items	Description
S1	25018	ELECTRIC?(5N)(VEHICLE? ? OR CAR OR CARS OR BIKE? ? OR AUTO-MOBILE? ? OR AUTOS OR TRUCK? ?) OR PEV OR PEVS OR EV OR EVS
S2	559	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION? OR ALLOT? OR APPROPRIATE OR RESERV? OR EARMARK? OR EAR()MARK-?) (6N)S1
S3	635628	ELECTRIC?(4N)CHARGE OR ENERGY OR ELECTRICITY OR STATE(2W)C-HARGE OR SOC OR FULL OR CHARGE(2N)LEVEL? ? OR CURRENT OR POWER
S4	654103	DISTANCE OR MILEAGE? OR MILE OR MILES OR RANGE OR MAKE(2W)-TRIP OR HOW() FAR
S5	54	S2(S)S3(S)S4
S6	6	IC=B60L AND S5
S7	368	IC=B60L AND S3(S)S4
S8	6	(S5 OR S7) AND IC=G06F
S9	4	S5 AND IC=G06F
S10	0	S9 NOT S8
S11	870	S1 AND IC=G06F
S12	40	S2 AND S11
S13	37	S3 AND S12
S14	15742	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION-?) (6N)(USER OR CONSUMER OR CLIENT OR CUSTOMER OR RENTER OR LEASEE)
S15	25137	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION-?) (6N)(INDIVIDUAL OR PERSON OR DRIVER OR USER OR CONSUMER OR -CLIENT OR CUSTOMER OR RENTER OR LEASEE)
S16	14	IC=B60L AND S15
S17	13	S1(S)S15(S)S3(S)S4
?		

6
Search Report from Ginger D. Roberts

?show files;ds

File 108:AEROSPACE DATABASE 1962-2001/OCT

(c) 2001 AIAA

File 6:NTIS 1964-2001/Dec W1

(c) 2001 NTIS, Intl Cpyrght All Rights Res

File 63:Transport Res(TRIS) 1970-2001/Oct

(c) fmt only 2001 Dialog Corp.

Set	Items	Description
S1	32018	ELECTRIC?(5N)(VEHICLE? ? OR CAR OR CARS OR BIKE? ? OR AUTO-MOBILE? ? OR AUTOS OR TRUCK? ?) OR PEV OR PEVS OR EV OR EVS
S2	594	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION? OR ALLOT? OR APPROPRIATE OR RESERV? OR EARMARK? OR EAR()MARK-?) (6N)S1
S3	1236318	ELECTRIC?(4N)CHARGE OR ENERGY OR ELECTRICITY OR STATE(2W)C-HARGE OR SOC OR FULL OR CHARGE(2N)LEVEL? ? OR CURRENT OR POWER
S4	442514	DISTANCE OR MILEAGE? OR MILE OR MILES OR RANGE OR MAKE(2W)-TRIP OR HOW()FAR
S5	189	S2 AND S3 AND S4
S6	9184	(ASSIGN? OR ALLOCAT? OR DISTRIBUT? OR ROUTING OR APPORTION? OR ALLOT? OR APPROPRIAT? OR RESERV? OR EARMARK? OR EAR()MARK-?) (6N)(USER? ? OR INDIVIDUAL? ? OR PERSON? ? OR PEOPLE OR RENTER? ? OR LEASEE? ? OR CUSTOMER? ? OR CONSUMER? ?)
S7	8	S1 AND S3 AND S4 AND S6
S8	7	S7 NOT PY>1994
S9	7	RD (unique items)
S10	174	S5 NOT PY>1994
S11	147	RD (unique items)
S12	21	S11 NOT EV
?		